

ASSIGNMENT 3

Textbook Assignment, "Heavyweight Torpedo Maintenance," chapter 3, pages 3-1 through 3-37.

- 3-1. What number of people must be present during any evolution involving Otto Fuel II?
1. 1
 2. 2
 3. 3
 4. 4
- 3-2. When testing the atmosphere, what is the maximum tolerance level for Otto Fuel II ?
1. 0.2 parts per million
 2. 0.4 parts per million
 3. 0.6 parts per million
 4. 0.8 parts per million
- 3-3. An abnormal accumulation of fluid in the lungs resulting in swelling of tissue and difficulty in breathing are normally a result of exposure to what chemical?
1. Carbon monoxide
 2. Hydrogen cyanide
 3. Carbon dioxide
 4. Oxides of nitrogen
- 3-4. Defective replacement parts that must be sent back to the depot for repair, refurbishment, or other disposition are defined by which of the following terms?
1. Nonrepairable spares only
 2. Repairable spare only
 3. Both nonrepairable and repairable spares
 4. Functional item replacements
- 3-5. What is a replacement part called that is discarded when found defective?
1. FIR
 2. Expendable
 3. Repairable spare
 4. Nonrepairable spare
- 3-6. A removable pamphlet containing step-by-step instructions for performing a specific torpedo job task is which of the following documents?
1. Flow diagram
 2. Job sheet
 3. Weekly schedule
 4. Monthly schedule
- 3-7. The sequence of tasks to be performed to accomplish a specific torpedo preparation or maintenance operation is described in what document?
1. Flow diagram
 2. Job sheet
 3. Quarterly schedule
 4. Weekly schedule
- 3-8. The responsibility for disassembly/assembly of the heavyweight torpedo is maintained at what level?
1. Organizational only
 2. Depot only
 3. Organizational and depot
 4. Intermediate
- 3-9. An organizational activity is authorized to perform what type of maintenance, if any, on the Mk 107 warhead?
1. Fault isolation
 2. EAW/WES installation
 3. Subsystem checkout
 4. None
- 3-10. Which of the following activities is responsible for preventive maintenance on the WSE and ISSE?
1. Organizational only
 2. Depot only
 3. Organizational and depot
 4. Intermediate

- 3-11. Structural repairs to containers are the responsibility of which of the following activities?
1. Organizational only
 2. Intermediate only
 3. Organizational and Intermediate
 4. Depot only
- 3-12. The contractor provides depot level maintenance for both the torpedo and the automated test equipment.
1. True
 2. False
- 3-13. What type of maintenance is completed on a non-scheduled basis and consist of restoring the torpedo and its automatic test equipment after it has malfunctioned or experienced damage?
1. Preventive
 2. Final
 3. Turnaround
 4. Remedial
- 3-14. Turnaround maintenance Is performed at which of the following locations?
1. Organizational only
 2. Intermediate only
 3. Organizational and intermediate
 4. Depot
- 3-15. Submarines and ready-for-issue (RFI) support activities comprise which of the following levels of maintenance?
1. Depot only
 2. Intermediate only
 3. Depot and Intermediate
 4. Organizational
- 3-16. Torpedoes that have been exposed to seawater or stored in a flooded or dry tube will be cleaned and inspected at what intervals?
1. Daily
 2. Weekly
 3. Monthly
 4. Yearly
- 3-17. Submarine personnel must report torpedoes that have been in a flooded-tube environment upon returning to port.
1. True
 2. False
- 3-18. Submarine tenders (AS) perform work assigned to what maintenance level?
1. Depot
 2. Intermediate
 3. Reorganizational
 4. Organizational
- 3-19. Job sheets are utilized for what purpose during torpedo maintenance?
1. To program task into a sequence of events
 2. To give step-by-step directions for performing particular tasks
 3. Both 1 and 2
 4. To track the next job due to accomplish
- 3-20. An overall view of the job to be performed is found on which of the following illustrations in a job sheet?
1. First
 2. Second
 3. Third
 4. Fourth

- 3-21. The QA inspector must verify all significant operations during the performance of what part of the job sheet?
1. All odd numbered steps
 2. All even numbered steps
 3. At QA hold points
 4. When a rectangle surrounds the step
- 3-22. Quality assurance hold points in a job sheet are indicated by which of the following symbols?
1. Yield
 2. Danger
 3. Caution
 4. Stop
- 3-23. After completion, the assembly serialization and quality assurance sheet is signed by which of the following personnel?
1. CO and XO
 2. Assembly supervisor and quality assurance supervisor
 3. Shop supervisor and safety officer
 4. Worker and safety officer
- 3-24. A pictorial representation of the order in which events occur during torpedo maintenance is which of the following diagrams?
1. A production diagram
 2. An organizational diagram
 3. A flow diagram
 4. A time/motion diagram
- 3-25. A decision point in a flow diagram is represented by what symbol?
1. A diamond
 2. A parallelogram
 3. A circle
 4. An arrow
- 3-26. A break in the flow of work in a flow diagram is indicated by which of the following symbols?
1. A diamond
 2. An arrow
 3. A rectangle
 4. A circle
- 3-27. Fir units are tested using which of the following test sets?
1. Fuel Pump
 2. Afterbody
 3. Automated test equipment (ATE)
 4. A-cable test equipment
- 3-28. The ocean environment is simulated by which of the following pieces of equipment, if any?
1. Seawater simulator
 2. Acoustic test stand
 3. Underwater test stand
 4. None of the above
- 3-29. The homing control logic unit (HCL) must be removed from the nose shell and placed on what specific material prior to testing?
1. Rubber
 2. Plastic
 3. Wood
 4. Metal
- 3-30. The exploder mechanism is FIR tested using which of the following test sets?
1. Mk 565 Mod 2
 2. Mk 541 Mod 3
 3. Mk 21 Mod 1
 4. Mk 525 Mod 1
- 3-31. The arming device is tested at the intermediate maintenance level.
1. True
 2. False
- 3-32. The gyro control unit is tested using which of the following test sets?
1. Mk 541
 2. Mk 556
 3. MK 525
 4. Mk 555

- 3-33. The wire dispenser is mounted in which section of the torpedo?
1. The aft fuel tank wire dispenser chamber
 2. The forward fuel tank wire dispenser chamber
 3. The afterbody
 4. The control section
- 3-34. The wire dispenser is secured in place by what specific component?
1. Alternator
 2. Hydraulic pump
 3. Fuel valve
 4. Wire coil bulkhead
- 3-35. The fuel tank cable conduit leakage test is conducted during which phase of torpedo assembly?
1. During initial torpedo assembly
 2. After initial torpedo assembly
 3. Before initial torpedo assembly
 4. After final torpedo assembly
- 3-36. If an alternator has been run in a torpedo, what must be done with the sealol seal assembly?
1. Tested and reused
 2. Removed and discarded
 3. Visually inspected
 4. Rebuilt and reused
- 3-37. The alternator is FIR tested using which of the following test sets?
1. Mk 6 Mod 0
 2. Mk 556 Mod 0
 3. Mk 525 Mod 1
 4. Mk 541
- 3-38. If a seal assembly is removed and discarded, entries must be made on what component history card?
1. Alternator and alternator sealol seal assembly
 2. Torpedo
 3. Afterbody/Tailcone
 4. Fuel tank
- 3-39. The signal to unlock circuitry in the warhead exploder is generated by what component?
1. The alternator
 2. The homing control logic unit
 3. The transducer
 4. The velocity sensor switch
- 3-40. The chamber and valve assembly contains what class of explosive?
1. A
 2. B
 3. C
 4. D
- 3-41. After installation of the chamber and valve assembly, what type of test must be conducted on the afterbody/tailcone group?
1. Initial
 2. Operational
 3. Final
 4. Primary
- 3-42. Operation of the coolant pump and water inlet valves are monitored using which of the following assemblies?
1. A flush-pin gauge
 2. A velocity sensor
 3. A coolant indicator
 4. A valve monitor
- 3-43. To check the water intake valve for leakage, you must conduct what type of test?
1. An operational
 2. A final
 3. A back pressure
 4. A water pressure
- 3-44. An accessory vacuum leak test and a continuity test of the igniter are part of what test?
1. Group final
 2. Group operational
 3. Group initial
 4. Group systems

- 3-45. During the system test, the warhead group and afterbody/tailcone group must be grounded. What term best describes this operation?
1. Ordnance ground
 2. Electrical ground
 3. Mechanical ground
 4. Community ground
- 3-46. Deviations from the job sheet during systems test could result in costly equipment damage.
1. True
 2. False
- 3-47. The torpedo hydraulic system is drained, evacuated, and filled after which of the following tests is completed?
1. Afterbody\tailcone
 2. Fuel tank
 3. Alternator
 4. Systems
- 3-48. Following torpedo assembly, the torpedo sections are assembled together and the torpedo is vacuum leak tested and backfilled with which of the following chemicals?
1. Oxygen
 2. Nitrogen
 3. Hydrogen
 4. Argon
- 3-49. After the torpedo is primed, a sticker must be placed next to the vacuum port containing what instruction?
1. Fueled
 2. Danger fueled
 3. Primed
 4. Flammable
- 3-50. Maintenance of the Mk 48 torpedo workshop support equipment is the responsibility of which of the following activities?
1. Civilian contractors
 2. Shop personnel
 3. Depot personnel
 4. Tiger team personnel
- 3-51. The program that assures the reliability and asset readiness posture of Mk 48 torpedoes is maintained through periodic depot maintenance. Which of the following programs performs this task?
1. The Warshot Depot Maintenance Program
 2. The Reliability Enhanced Baseline Improved Torpedo Program
 3. The Deployed Shelf Life Evaluation Program
 4. The Torpedo Turnaround Program
- 3-52. A torpedo that has sustained major damage must be labeled with which of the following condition codes?
1. D
 2. E
 3. F
 4. G
- 3-53. Reporting deficiencies and maintaining serialized accountability of major serialized components of the heavyweight torpedo weapon system is accomplished using which of the following reporting systems?
1. The Heavyweight Torpedo Technical Data System
 2. The Torpedo Maintenance Data System
 3. The Heavyweight Torpedo Supply System
 4. The Torpedo Accountability System
- 3-54. Submarine personnel report corrective maintenance performed on Mk 48/Mk 48 ADCAP torpedoes, tools and handling equipment on which of the following forms?
1. Torpedo Technical Data form
 2. Torpedo Maintenance Data form
 3. Submarine Data form
 4. Submarine Maintenance Data form

3-55. When a submarine receives a deficient weapon from an IMA, what type of report must be submitted?

1. CAIMS
2. Torpedo Deficiency Report
3. Inadequate Weapon Report
4. RUDTORPE

3-56. Classified data will not be submitted on the TMIS form.

1. False
2. True